

10

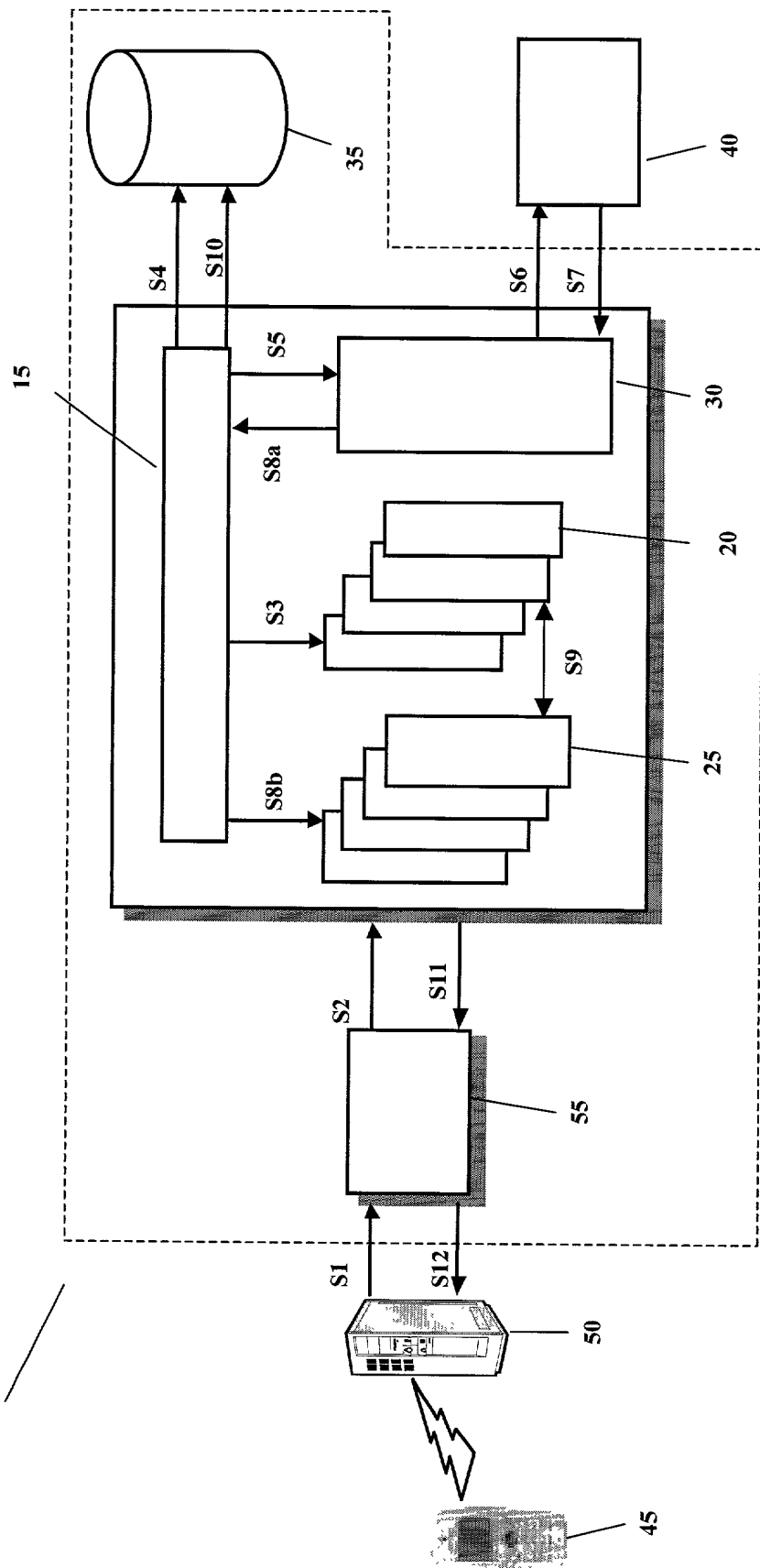


Figure 2

FIG. 3a is a block diagram of a system architecture. The system includes a central server 60, a database 65, and three client devices 40a, 40b, and 40c. The server 60 is connected to the database 65 and the client devices. The client devices are connected to the server via a network 50a, 50b, and 50c. The network 50a is represented by a cloud, while 50b and 50c are represented by server racks. Each client device 40a, 40b, and 40c is connected to its respective network component via a lightning bolt symbol, indicating a direct connection. The client devices are also connected to the server 60 via a double-headed arrow, indicating bidirectional communication.

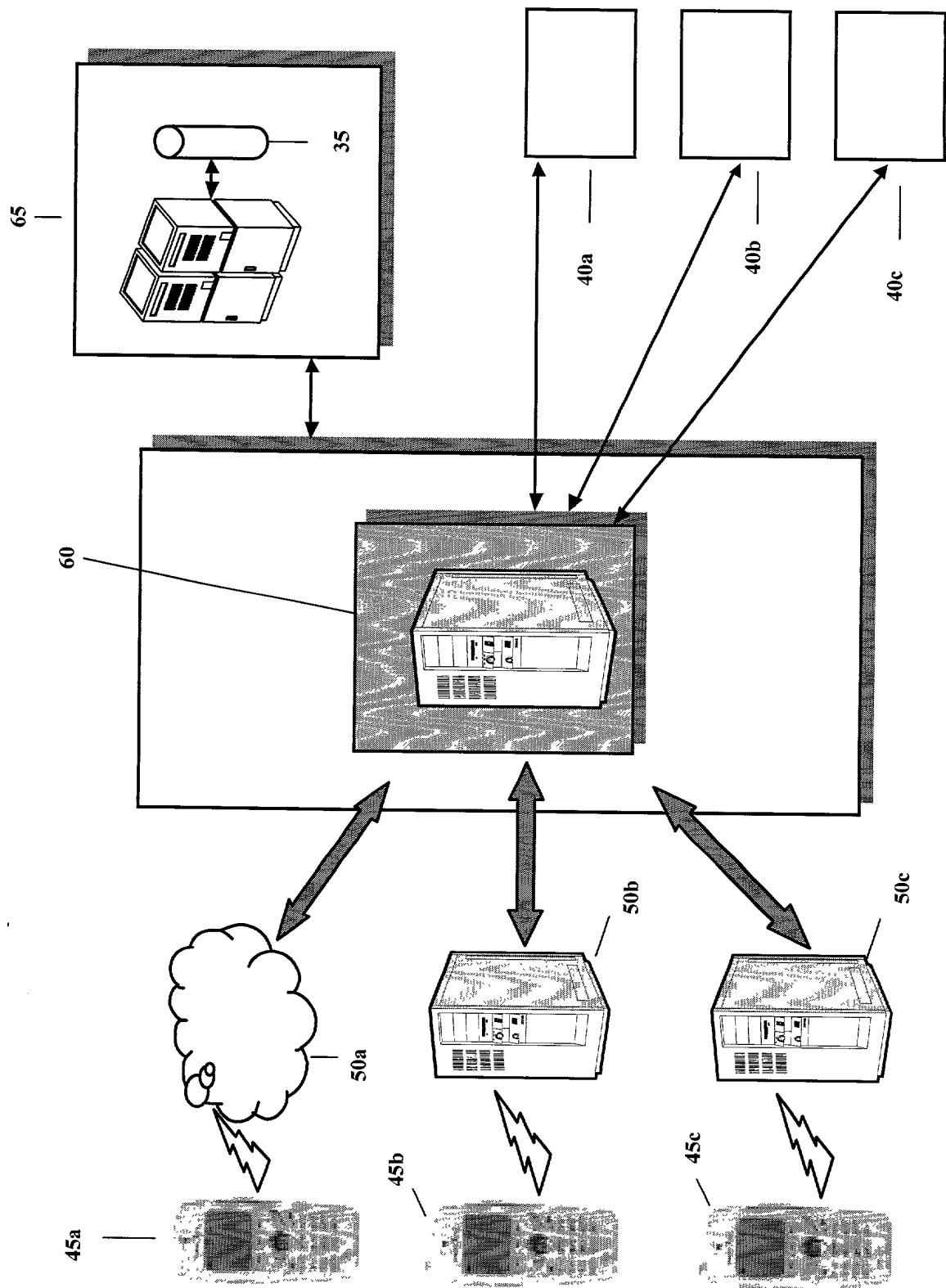


Figure 3a

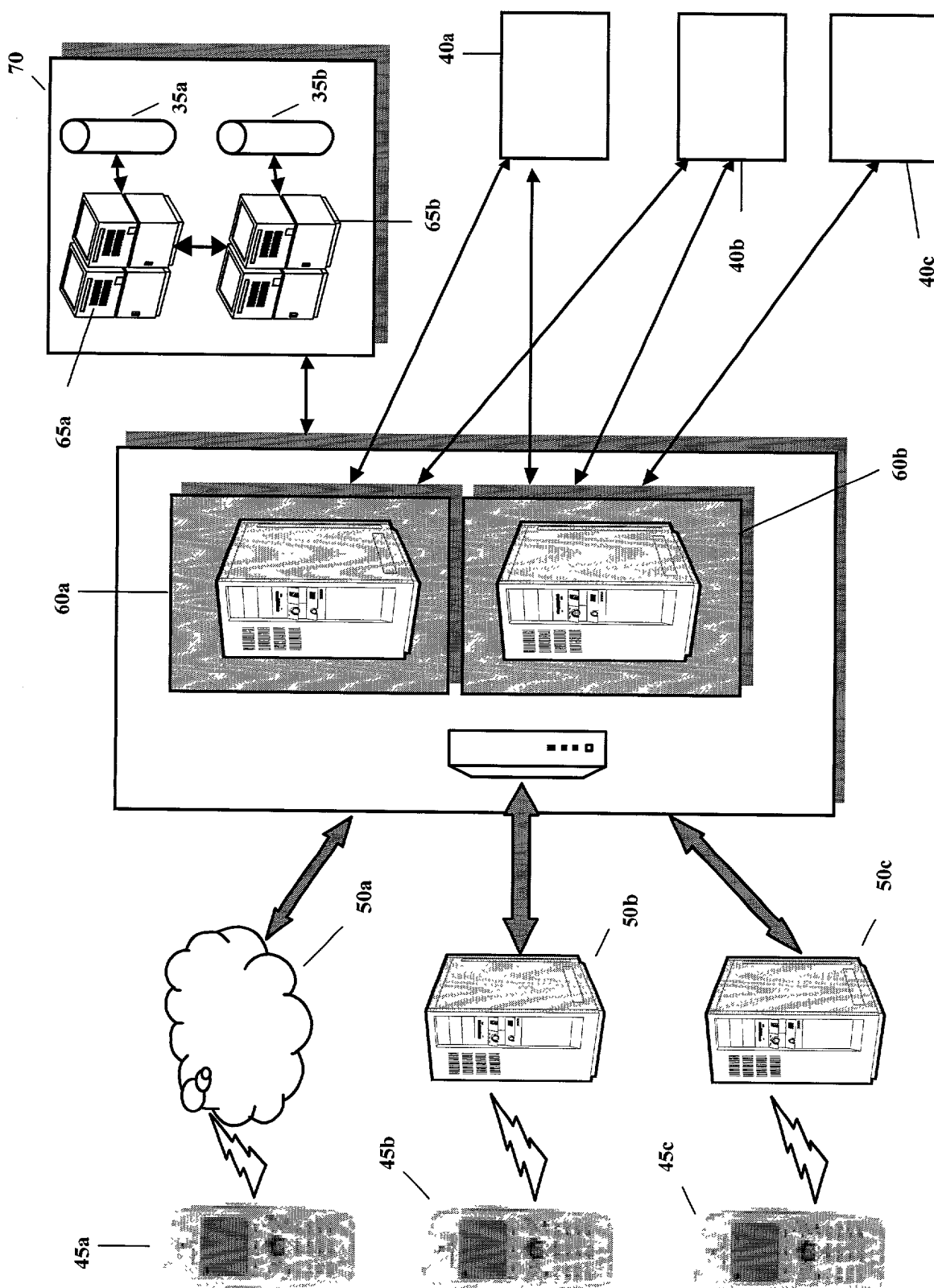


Figure 3b

FIG. 4 is a block diagram of a system 10 for processing data. The system 10 includes a plurality of input devices 45a, 45b, a plurality of processing units 50a, 50b, a plurality of output devices 55a, 55b, a central processing unit 15, a storage device 30, and a display device 40. The input devices 45a, 45b are connected to the processing units 50a, 50b via signal lines S20, S31. The processing units 50a, 50b are connected to the output devices 55a, 55b via signal lines S21, S30. The central processing unit 15 is connected to the storage device 30 via signal lines S23, S29. The central processing unit 15 is also connected to the display device 40 via signal lines S25, S26. The central processing unit 15 is further connected to the input devices 45a, 45b via signal lines S22, S27a, S27b, S28. The storage device 30 is connected to the input devices 45a, 45b via signal lines S24, S27a, S27b, S28.

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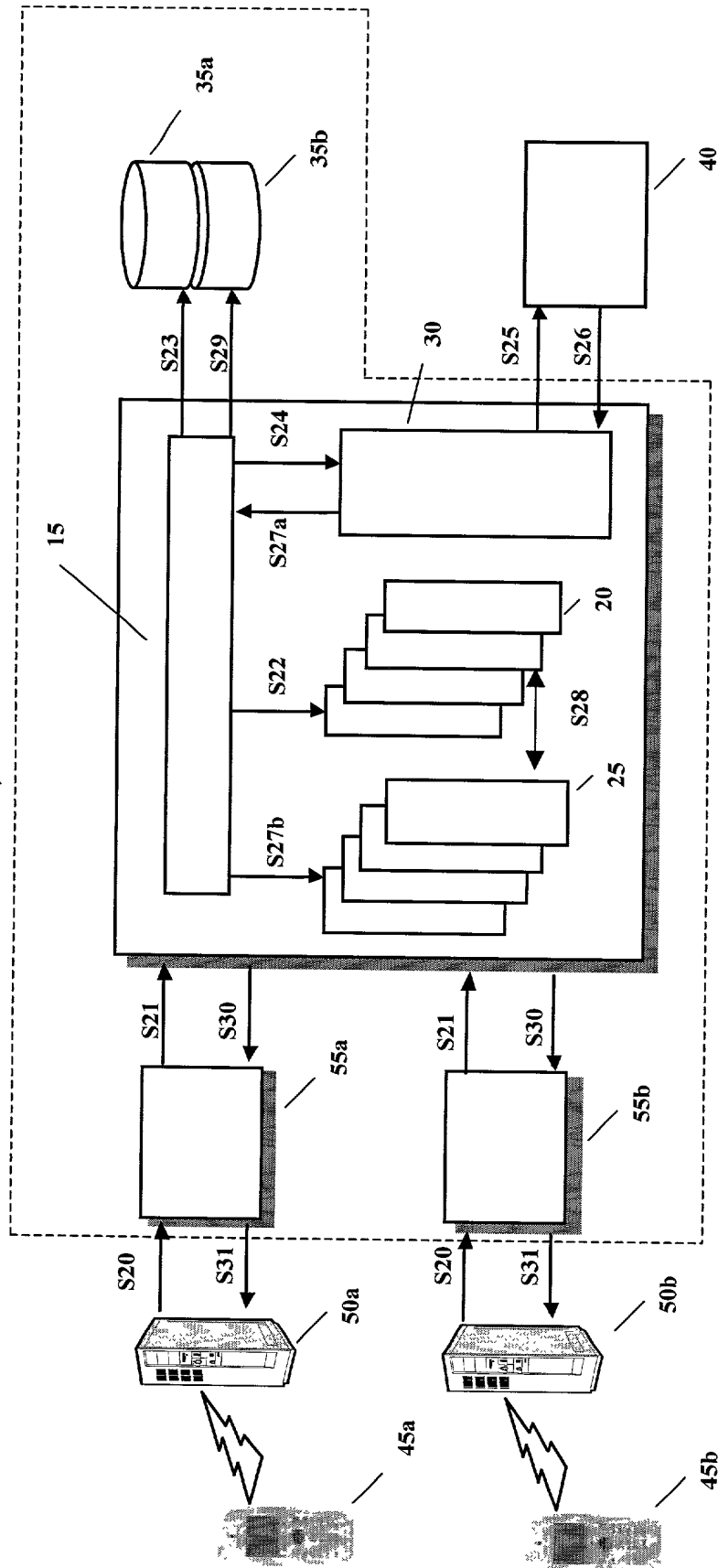
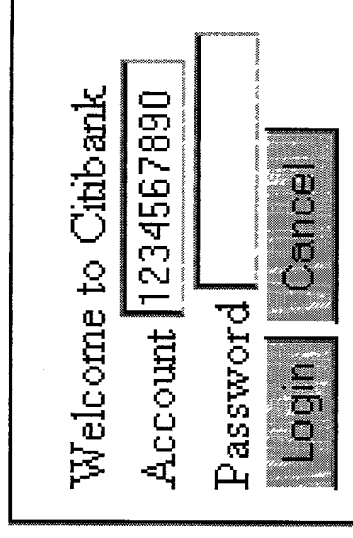


Figure 4

```
<html>
<head>
</head>
<body>
<form name=Form1 method=post
      action="Default.asp">
  Welcome to Citibank<br>
  Account
  <input type=text name= LoginId size=10
      value="1234567890">
  <br>
  Password
  <input type=password name=pswd size=10>
  <br>
  <input type=submit name=cmdSubmit
      value="Login">
  <input type=submit name=cmdSubmit
      value="Cancel">
</form>
</body>
</html>
```

Figure 5a



Welcome to Citibank

Account 1234567890

Password

Login Cancel

Figure 5b

```

<mobile>
<html>
<head>
</head>
<body>
<form name=Form1 method=post action="Default.asp"
<card>
Welcome to Citibank<br>
Account
<input name="LoginId" type="text" value="1234567890"
format="*N"/>
<br>
</card>
<card>
Password
<input name="pswd" type="password"/>
<br>
</card>
<card>
<input name="cmdSubmit" type="submit" value="Login">
<input name="cmdSubmit" type="submit" value="Cancel">
</card>
</form>
</body>
</html>
</mobile>

```

Figure 6a

```

<html>
<head>
</head>
<body>
<form method="post" action="www.CitiMobile.com/ChtmlHome.asp?CrtSt=aaabbb">
Welcome to Citibank<br>
Account
<input type="text" name="LoginId" value="1234567890">
<br>
Password
<input type="password" name="pswd">
<br>
<input type="submit" name="cmdSubmit" value="Login">
<input type="submit" name="cmdSubmit" value="Cancel">
</form>
</body>
</html>

```

Figure 6b

```

<mobile>
<html>
<head>
</head>
<body>
<form name=Form1 method=post action="Default.asp"
<card>
Welcome to Citibank<br>
Account
<input name="LoginId" type="text" value="1234567890"
format="*N"/>
<br>
</card>
<card>
Password
<input name="pswd" type="password"/>
<br>
</card>
<card>
<input name="cmdSubmit" type="submit" value="Login">
<input name="cmdSubmit" type="submit" value="Cancel">
</card>
</form>
</body>
</html>
</mobile>

```

Figure 7a

```

<%Response.ContentType="text/x-html"%>
<html Version=3.0 ttl=0 markable=false>
<Entry name=c01 key=LoginId Format="*N" default="1234567890">
<action type=accept task=go dest="#c02">
Welcome to Citibank<BR>
Account
</Entry>
<Entry name=c02 key=pswd Format="*N" NOECHO=true default="">
<action type=accept task=go dest="#c98">
Password
</Entry>
<choice name=c98 key=cmdSubmit>
<ce value="Login" task=go DEST=#c99>Login
<ce value="Cancel" task=go DEST=#c99>Cancel
</choice>
<nodisplay name=c99>
<action type=accept task=go
method=post dest="www.CitiMobile.com/HdmlHome.asp?CrtSt=aaabbb"
postData="LoginId=$(LoginId)&pswd=$(pswd)&cmdSubmit=$(cmdSubmit)">
</nodisplay>
</html>

```

Figure 7b


```

</mobile>
</html>
</head>
</head>
</body>
<form name=Form1 method=post action="Default.asp"
<card>
  Welcome to Citibank<br>
  Account
  <input name="LoginId" type="text" value="1234567890"
    format="*N"/>
  <br>
  </card>
  Password
  <input name="pswd" type="password"/>
  <br>
  </card>
  <card>
    <input name="cmdSubmit" type="submit" value="Login">
    <input name="cmdSubmit" type="submit" value="Cancel">
  </card>
</form>
</body>
</html>
</mobile>

```

Figure 8a

```

<%Response.ContentType="text/vnd wml"%>
<?xml version="1.0"?>
<!DOCTYPE wml PUBLIC "-//WAPFORUM/DTD WML 1.1/EN"
"http://www.wapforum.org/DTD/wml_1.1.xml">
<wml>
<card id="c01">
<do type="accept"><go href="#c02"/></do>
<p>
  Welcome to Citibank<br>
  Account
  <input name="LoginId" format="*N" value="1234567890"/>
</p>
<card id="c02">
<do type="accept"><go href="#c98"/></do>
<p>
  Password
  <input name="pswd" type="password"/>
</p>
</card>
<card id="c98">
<do type="accept"><go href="#c99"/></do>
<p>
  <select name="cmdSubmit">
    <option value="Login">Login</option>
    <option value="Cancel">Cancel</option>
  </select>
</p>
</card>
<card id="c99">
<onevent type="onenterforward">
  <go method="post"
  href="www.CitiMobile.com/WapHome.asp?CrtSt=aaabbb">
  <postfield name="LoginId" value="$(LoginId)"/>
  <postfield name="pswd" value="$(pswd)"/>
  <postfield name="cmdSubmit" value="$(cmdSubmit)"/>
</go>
</onevent>
</card>
</wml>

```

Figure 8b

```

</mobile>
</html>
</head>
</head>
</body>
<form name=Form1 method=post action="Default.asp"
<card>
  Welcome to Citibank<br>
  Account
  <input name="LoginId" type="text" value="1234567890"
    format="*N"/>
  <br>
  </card>
  Password
  <input name="pswd" type="password"/>
  <br>
  </card>
  <card>
    <input name="cmdSubmit" type="submit" value="Login">
    <input name="cmdSubmit" type="submit" value="Cancel">
  </card>
</form>
</body>
</html>
</mobile>

```

Figure 9a

```

</html>
</head>
</head>
</body>
<form method="post" action="www.CitiMobile.com/ChtmlHome.asp?CrtSt=aaabbb">
  Welcome to Citibank<br>
  Account
  <input type="text" name="LoginId" value="1234567890">
  <br>
  Password
  <input type="password" name="pswd">
  <br>
  <input type="submit" name="cmdSubmit" value="Login">
  <input type="submit" name="cmdSubmit" value="Cancel">
</form>
</body>
</html>

```

Figure 9b

FIG. 10 is a block diagram of a system 50. The system 50 includes a mobile device 45, a network 46, a server 47, a database 48, a user interface 49, a display 51, a processor 61, a memory 62, a network interface 63, a storage device 64, a power source 65, and a sensor 66. The mobile device 45 is connected to the network 46, which is connected to the server 47. The server 47 is connected to the database 48, the user interface 49, and the display 51. The processor 61 is connected to the memory 62, the network interface 63, the storage device 64, and the power source 65. The sensor 66 is connected to the processor 61.

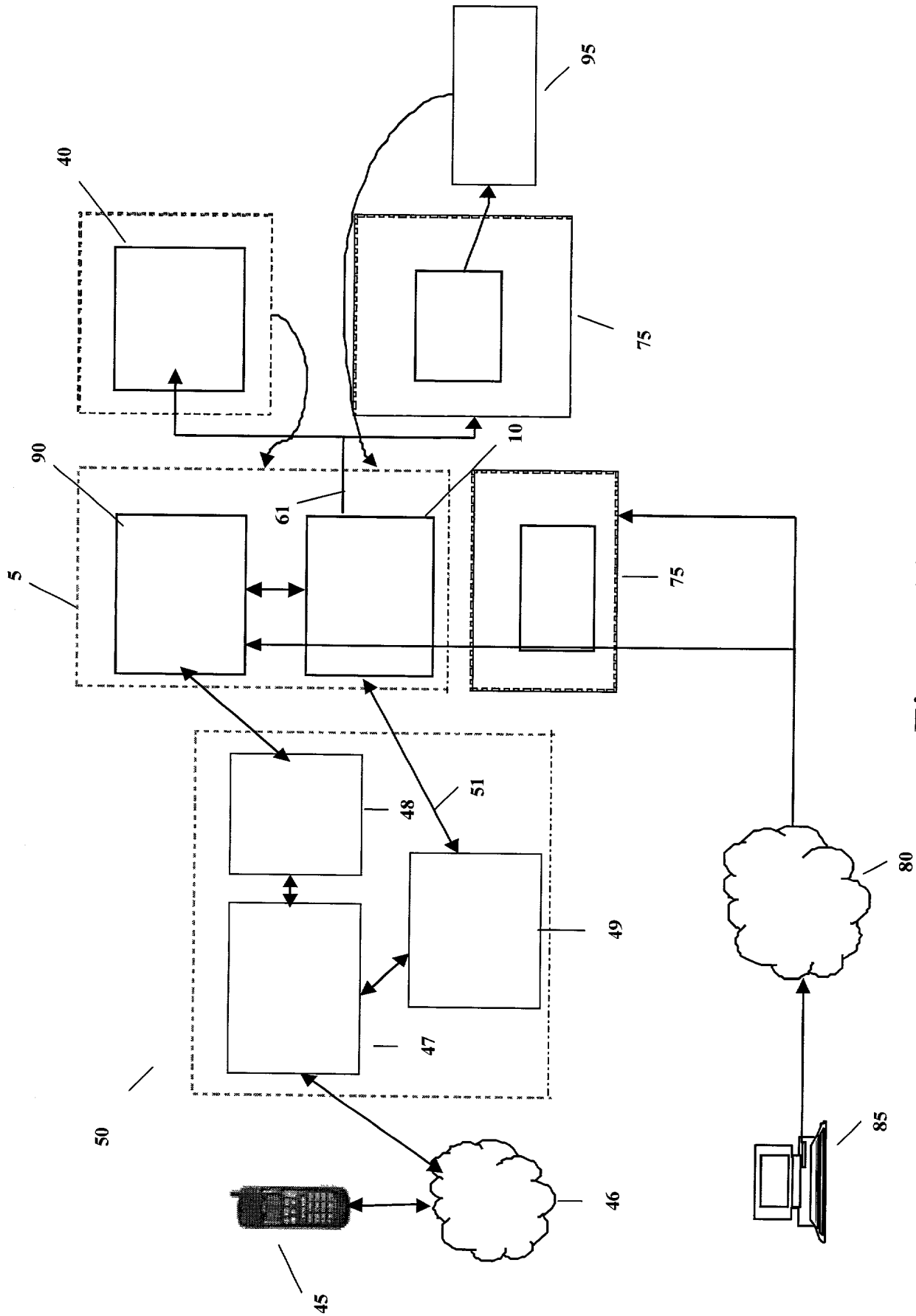


Figure 10

FIG. 11 is a block diagram of a system 100 for providing a user with a personalized user interface. The system 100 includes a user device 45a, 45b, 45c, a network 50a, 50b, 50c, 100, a server 60a, 60b, 60c, 65, 90, 95, and a database 62, 63, 66, 75.

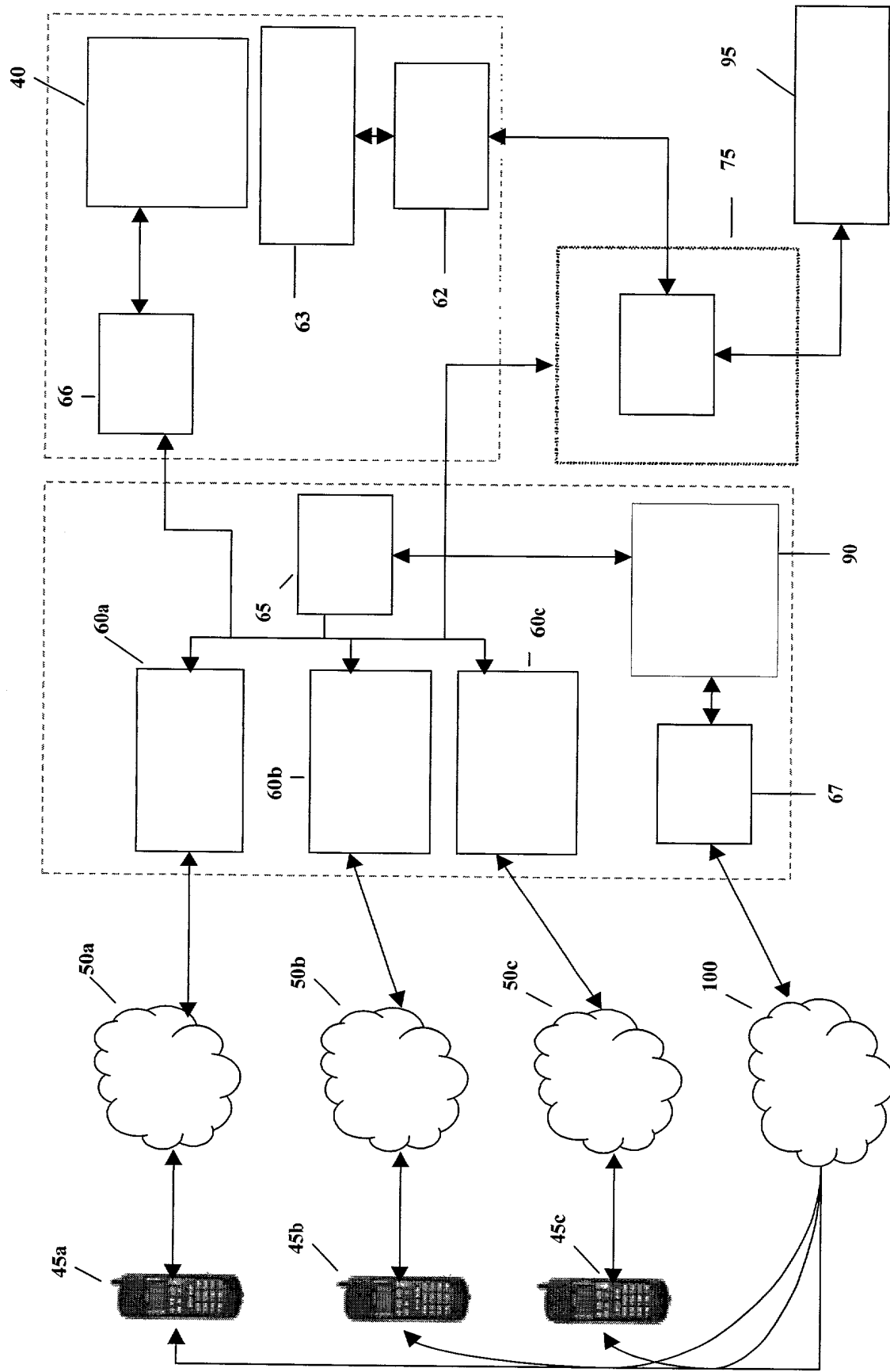


Figure 11

